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**WO 03/074164 A1**(54) Title: **ROTARY BLENDING APPARATUS AND SYSTEM**

(57) **Abstract:** A rotary blending apparatus and system comprising a hub (10) and a plurality of substantially angularly spaced impeller blades (20). The unique, variable configuration of the impeller blades produces optimum flow patterns and, hence, highly efficient mixing of solids and liquids. The blending apparatus is also scalable to multiple sizes without compromising mixing performance.